

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 1-24 and ADD new claims 25-27 in accordance with the following:

A2
1. (CURRENTLY AMENDED) A method of driving a display apparatus, in which a frame comprises ~~is composed of~~ n subfields, each subfield has at least an address period to select cells to be displayed and a light period to light the selected cells, and ~~the~~ a gradation scale is represented by combining the subfields to be lit among said plural subfields, wherein two brightest subfields in said frame have different brightnesses, and the two brightest ~~subfields of B_n brightness and B_{n-1} brightness, when the brightness of said n subfields is assumed to be B_i ($i = 1 - n$; $B_1 \leq B_2 \dots B_{n-1} \leq B_n$), are arranged at the~~ an interval of about half ~~the~~ a length of said frame.

2. (CURRENTLY AMENDED) A method of driving a display apparatus ~~as set forth in claim 1,~~ in which a frame comprises n subfields, each subfield has at least an address period to select cells to be displayed and a light period to light the selected cells, and a gradation scale is represented by combining the subfields to be lit among said plural subfields, wherein subfields of B_n brightness and B_{n-1} brightness, when a brightness of said n subfields is assumed to be B_i ($i = 1 - n$; $B_1 \leq B_2 \dots B_{n-1} \leq B_n$), are arranged at an interval of about half a length of said frame, wherein, the subfields of B_{n-2} brightness and B_{n-3} brightness among said n subfields are arranged at the interval of about half the length of said frame so that each of the subfield subfields of the B_{n-2} brightness and the B_{n-3} brightness is positioned almost at the ~~the~~ a midpoint between said two most brightness-weighted subfields.

3. (CURRENTLY AMENDED) A method of driving a display apparatus ~~as set forth in claim 1,~~ in which a frame comprises n subfields, each subfield has at least an address period to select cells to be displayed and a light period to light the selected cells, and a gradation scale is represented by combining the subfields to be lit among said plural subfields, wherein subfields of B_n brightness and B_{n-1} brightness, when a brightness of said

n subfields is assumed to be B_i ($i = 1 - n$; $B_1 \leq B_2 \dots B_{n-1} \leq B_n$), are arranged at an interval of about half a length of said frame, wherein, when a rest period occurs in said frame because the a total length of said plural subfields is shorter than that of said frame, said rest period is divided into plural rest periods and the divided rest periods are arranged between said different plural subfields.

4. (CURRENTLY AMENDED) A The method of driving a display apparatus as set forth in claim 3, wherein, said rest period is divided so that the a number of the divided rest periods is equal to that of said plural subfields and provided in each subfield.

5. (CURRENTLY AMENDED) A method of driving a display apparatus-as-set forth in claim 1, in which a frame comprises n subfields, each subfield has at least an address period to select cells to be displayed and a light period to light the selected cells, and a gradation scale is represented by combining the subfields to be lit among said plural subfields, wherein subfields of B_n brightness and B_{n-1} brightness, when a brightness of said n subfields is assumed to be B_i ($i = 1 - n$; $B_1 \leq B_2 \dots B_{n-1} \leq B_n$), are arranged at an interval of about half a length of said frame, wherein, the brightness of each subfield is determined by thea number of lit pulses in said light period, and when thea total number of lit pulses in athe frame is varied, thean original clock frequency, which generates an execute signal at least either in said address period or in said light period, is varied.

6. (CURRENTLY AMENDED) A The method of driving a display apparatus as set forth in claim 5, wherein, wherein only the original clock frequency, to generate anthe execute signal in said address period, is varied to vary the-a period of lit pulses to be applied in said light period.

7. (CURRENTLY AMENDED) A method of driving a display apparatus, in which a frame ~~is composed of~~ comprises plural subfields, each subfield has at least an address period to select cells to be displayed and a light period to light the selected cells, and the a gradation scale is represented by combining the subfields to be lit among said plural subfields, wherein when the a total length of said plural subfields is shorter than that of said frame and a rest period occurs in said frame, said rest period is divided into plural rest periods and arranged between said different subfields.

8. (CURRENTLY AMENDED) A The method of driving a display apparatus as set forth in claim 7, ~~wherein,~~ wherein said rest period is divided so that the a number of divided rest periods is equal to that of said plural subfields and provided in each subfield.

9. (CURRENTLY AMENDED) A method of driving a display apparatus, in which a frame ~~comprises is composed of~~ plural subfields, each subfield has at least an address period to select cells to be displayed and a light period to light the selected cells, and the a gradation scale is represented by combining the subfields to be lit among said plural subfields, wherein said plural subfields are classified into a front subframe and a rear subframe so that one of the two most brightness-weighted subfields belongs to said front subframe and ~~the other~~ a remaining one of the two most brightness-weighted subfields belongs to said rear subframe, and the an interval between the respective start timings of said front subframe and said rear subframe ~~is remains~~ is remains fixed, regardless of variations in length of either or both of the front and rear subframes.

10. (CURRENTLY AMENDED) A method of driving a display apparatus, in which a frame ~~is composed of~~ comprises plural subfields, each subfield has at least an address period to select cells to be displayed and a light period to light the selected cells, and the a gradation scale is represented by combining the subfields to be lit among said plural subfields, wherein when the a total number of lit pulses in a the frame is varied, the an original clock frequency, which generates an execute signal at least either in said address period or said light period, is varied.

11. (CURRENTLY AMENDED) A ~~The~~ method of driving a display apparatus as set forth in claim 10, ~~wherein,~~ wherein only the original clock frequency, to generate ~~an~~ the execute signal in said address period, is varied to vary ~~the~~ a period of lit pulses to be applied in said light period.

12. (CURRENTLY AMENDED) A method of driving a display apparatus, in which a frame ~~is composed of~~ comprises plural subfields, each subfield has at least an address period to select cells to be displayed and a light period to light the selected cells, and the a gradation scale is represented by combining the subfields to be lit among said plural subfields, wherein plural arrangement orders of said plural subfields in said frame are memorized in accordance with the types of ~~image~~ images to be displayed, and display is performed with an arrangement order in said subfield selected from said plural arrangement

orders according to the judged ~~type~~ types of the ~~image~~ images.

13. (CURRENTLY AMENDED) A display apparatus displaying a gradation scale by a subfield method in which a frame comprises ~~is composed of~~ n subfields, each subfield has at least an address period to select cells to be displayed and a light period to light the selected cells, and the gradation scale is represented by combining the subfields to be lit among said plural subfields, being characterized in said subfields being arranged in said frame such that two brightest subfields having different brightnesses that the subfields of B_n brightness and B_{n-1} brightness, when the brightness of said n subfields is assumed to be B_i ($i = 1 - n$; $B_1 \leq B_2 \dots B_{n-1} \leq B_n$), are arranged at the an interval of about half the a length of said frame.

14. (CURRENTLY AMENDED) A display apparatus ~~as set forth in claim 13~~ displaying a gradation scale by a subfield method in which a frame comprises n subfields, each subfield has at least an address period to select cells to be displayed and a light period to light the selected cells, and the gradation scale is represented by combining subfields to be lit among said plural subfields such that subfields of B_n brightness and B_{n-1} brightness, when a brightness of said n subfields is assumed to be B_i ($i = 1 - n$; $B_1 \leq B_2 \dots B_{n-1} \leq B_n$), are arranged at an interval of about half a length of said frame, wherein, the subfields of B_{n-2} brightness and B_{n-3} brightness among said n subfields are arranged at the interval of about half the length of said frame so that each of the subfield ~~subfields of the B_{n-2} brightness and the B_{n-3} brightness~~ is positioned almost at the a midpoint between said two most brightness-weighted subfields.

15. (CURRENTLY AMENDED) A display apparatus as set forth in claim 13 displaying a gradation scale by a subfield method in which a frame comprises n subfields, each subfield has at least an address period to select cells to be displayed and a light period to light the selected cells, and the gradation scale is represented by combining subfields to be lit among said plural subfields such that subfields of B_n brightness and B_{n-1} brightness, when a brightness of said n subfields is assumed to be B_i ($i = 1 - n$; $B_1 \leq B_2 \dots B_{n-1} \leq B_n$), are arranged at an interval of about half a length of said frame, wherein, when a rest period occurs in said frame because the a total length of said plural subfields is shorter than that a length of said frame, said rest period is divided into plural rest periods and each of the

divided rest periods ~~are~~ is arranged between said ~~different~~ respective ones of the plural subfields.

16. (CURRENTLY AMENDED) A ~~The~~ display apparatus as set forth in claim 15, wherein, said rest period is divided so that ~~at~~ a number of the divided rest periods is equal to ~~that a number~~ of said plural subfields and provided in each subfield.

17. (CURRENTLY AMENDED) A display apparatus ~~as set forth in claim 13~~ displaying a gradation scale by a subfield method in which a frame comprises n subfields, each subfield has at least an address period to select cells to be displayed and a light period to light the selected cells, and the gradation scale is represented by combining subfields to be lit among said plural subfields such that subfields of B_n brightness and B_{n-1} brightness, when a brightness of said n subfields is assumed to be B_i ($i = 1 - n$; $B_1 \leq B_2 \dots B_{n-1} \leq B_n$), are arranged at an interval of about half a length of said frame, wherein, the brightness of each subfield is determined by ~~the~~ a number of lit pulses in said light period, and when ~~the~~ a total number of lit pulses in ~~the~~ a frame is varied, ~~the~~ a original clock frequency, which generates an execute signal at least either in said address period or in said light period, is varied.

18. (CURRENTLY AMENDED) A ~~The~~ display apparatus as set forth in claim 17, ~~wherein,~~ wherein only the original clock frequency, to generate ~~an~~ a execute signal in said address period, is varied to vary ~~the~~ a period of lit pulses to be applied in said light period.

19. (CURRENTLY AMENDED) A display apparatus displaying a gradation scale by a subfield method in which a frame ~~is composed of~~ comprises plural subfields, each subfield has at least an address period to select cells to be displayed and a light period to light the selected cells, and the gradation scale is represented by combining ~~the~~ subfields to be lit among said plural subfields, ~~being characterized in~~ subfields such that when ~~the~~ a total length of said plural subfields is shorter than that of said frame and a rest period occurs in said frame, said rest period is divided into plural rest periods and each of the plural rest periods is arranged between said ~~different~~ respective ones of the plural subfields.

20. (CURRENTLY AMENDED) A ~~The~~ display apparatus as set forth in claim 19, ~~wherein,~~ wherein said rest period is divided so that ~~the~~ a number of divided rest periods is equal to that of said plural subfields and provided in each subfield.

21. (CURRENTLY AMENDED) A display apparatus displaying a gradation scale by a subfield method in which a frame ~~is composed of~~ comprises plural subfields, each subfield has at least an address period to select cells to be displayed and a light period to light the selected cells, and the gradation scale is represented by combining ~~the~~ subfields to be lit among said plural ~~subfields, being characterized in~~ subfields such that said plural subfields are classified into a front subframe and a rear subframe so that one of ~~the two~~ most brightness-weighted subfields belongs to said front subframe and ~~the other~~ a remaining one of the two most brightness weighted subfields belongs to said rear subframe, and ~~the an~~ interval between ~~the~~ start timings of said front subframe and said rear subframe is ~~remains~~ fixed, regardless of variations in length of either or both of the front and rear subframes.

22. (CURRENTLY AMENDED) A display apparatus displaying a gradation scale by a subfield method in which a frame ~~is composed of~~ comprises plural subfields, each subfield has at least an address period to select cells to be displayed and a light period to light the selected cells, and the gradation scale is represented by combining ~~the~~ subfields to be lit among said plural ~~subfields, being characterized in~~ subfields such that when ~~the a~~ total number of lit pulses in ~~a~~ the frame is varied, ~~the an~~ original clock frequency, which generates an execute signal at least either in said address period or said light period, is varied.

23. (CURRENTLY AMENDED) A ~~The~~ display apparatus as set forth in claim 22, wherein, only the original clock frequency to generate ~~an~~ the execute signal in said address period is varied to vary ~~the a~~ period of lit pulses to be applied in said light period.

24. (CURRENTLY AMENDED) A display apparatus displaying a gradation scale by a subfield method in which a frame comprises ~~is composed of~~ plural subfields, each subfield has at least an address period to select cells to be displayed and a light period to light the selected cells, and the gradation scale is represented by combining ~~the~~ subfields to be lit among said plural ~~subfields, being characterized in~~ subfields such that plural arrangement orders of said plural subfields in said frame are memorized in accordance with the types of ~~image~~ images to be displayed, and display is performed with an arrangement order in said subfield selected from said plural arrangement orders according to the judged ~~type~~ types of the ~~image~~ images.

25. (NEW) A method of driving a display apparatus comprising:
providing a frame having n subfields therein, each of the subfields having at least an address period to select cells to be displayed and a light period to light the selected cells, and
combining the subfields to be lit among said n subfields to represent a gradation scale such that two of the subfields in said frame, which have different brightnesses and are brightest among the n subfields in said frame, are arranged apart at an interval of about half a length of said frame.

26. (NEW) A display apparatus displaying a gradation scale by a subfield method comprising:

a control unit to provide a frame having n subfields, each of the subfields having at least an address period to select cells to be displayed and a light period to light the selected cells, and the gradation scale is represented by combining subfields to be lit among said plural subfields, said subfields being arranged in said frame such that two brightest subfields having different brightnesses are arranged at an interval of about half a length of said frame.

27. (NEW) The method of driving a display apparatus as set forth in claim 9, wherein the fixing of the interval between the respective start timings of said front subframe and said rear subframe further comprises:

in response to a variation in the length of either of the front and rear subframes, the adjusting a wait time between the front subframe and the rear subframe such that the wait time operates to fix the interval between respective start timings of the front subframe and the rear subframe, when varying a length of each of the subfields in the frame.
